

19981026.ba v02\_n275.bam.981026 v02\_n276.bam.981026

>From ???@??? Mon Oct 26 11:44:54 1998  
Message-Id: <199810261604.KAA19027@sco.theporch.com>  
Date: Mon, 26 Oct 1998 10:03:28 CST  
Subject: BOATANCHORS digest 2275

BOATANCHORS Digest 2275

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by w4bld@juno.com
- 2) Re: A riveting question  
by "Arden Allen" <gumbear@pacbell.net>
- 3) Schematic needed  
by "Jim Reynolds" <gds@digitalexp.com>
- 4) Re: BOATANCHORS digest 2273  
by Tom Clarke <fclarke@erols.com>
- 5) URM25 Dial lights  
by Jderm740@aol.com
- 6) Re: URM25 Dial lights  
by "Arden Allen" <gumbear@pacbell.net>
- 7) tube info needed  
by "Jim Reynolds" <gds@digitalexp.com>
- 8) Re: Simpson 260 leads  
by Charles Ring <charlesr@infonline.net>
- 9) FS: Collins Log of Amateur Radio Station  
by Hal Waite <halwaite@lvcm.com>
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by "Pete Ferrand" <pete@vermontel.net>
- 11) RCA RBC Report  
by laffitte@prtc.net (laffitte)
- 12) FS: COLLINS WINGED 312B-5  
by Michael Crestohl <mc@sover.net>
- 13) Fernadale, WA Swapmeet  
by cormac@quicktel.com (Cormac Thompson)
- 14) National FRR59A"s  
by kd5byb@wt.net
- 15) Switched TUBED Power Supply  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 16) de FMLA, Friends of Frank  
by mnhopkins@juno.com (Michael N Hopkins)
- 17) Foreign SW BC Radio identification?  
by FPorzelt@seic.com
- 18) R-274 questions  
by w1nml@juno.com
- 19) Rivets

- by Jderm740@aol.com
- 20) Re: Foreign SW BC Radio identification?  
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 21) Re: Switched TUBED Power Supply  
by John Shriver <jas@shiva.com>
- 22) RE: Foreign SW BC Radio identification?  
by "Katz, Gene S" <gene.s.katz@lmco.com>
- 23) Re: R-274 questions  
by Dan Arney <kn6di@groupone.net>
- 24) Re: Foreign SW... Luxor schematics  
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 25) Para Dynamics ?  
by w4bld@juno.com

---

From: w4bld@juno.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sun, 25 Oct 1998 21:35:08 -0400  
Subject: Para Dynamics ?  
Message-ID: <19981025.213720.3254.72.w4bld@juno.com>

Gang - I have a Para Dynamics RF Scanner for which I need a schematic. The model is PDC-600. The company is long gone. The unit has a bad Watt Meter. I need to know what the FS movement is for that meter. I would consider a unit with a bad meter for either SWR or Modulation if someone has one for sale. Thanks, Bob

Robert B. Kerby - W4BLD  
PO Box 991 (231 Rosser Avenue)  
Waynesboro, VA 22980  
(540) 942-4356  
(I collect Gonset, Morow and Elmac)

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or call Juno at (800) 654-JUNO [654-5866]

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Message-Id: <199810260314.TAA19834@mail-gw.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: A riveting question  
Date: Sun, 25 Oct 1998 19:14:07 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Jim;

> I am wondering about the possibility of grinding off the rivets that  
> hold the front panel to the chassis and doing some swapping. I could  
> use machine screws and nuts to put it all back together, but would it  
> be possible to duplicate the original riveting?

An alternative approach would be to reassemble the pieces using \*button  
head\* screws. The heads have a shape nearly that of a rivet head and the  
hex well for an allen wrench looks techy. Just a thought.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: "Jim Reynolds" <gds@digitalexp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Schematic needed  
Date: Sun, 25 Oct 1998 22:04:27 -0600  
Message-ID: <002401be0095\$b96e6720\$2d2b31cc@gds>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have a schematic or a web site address where I can get one for a

T-408/URT-12

thanks guys!!!

Jim Reynolds  
PO Box 1692  
Wewahitchka, FL 32465  
mailto:gds@digitalexp.com  
ICQ # 1047111

KI6UP  
Web Page:  
<http://www.digitalexp.com/~users/gds/>

-----  
Message-ID: <3633F512.5DC7@erols.com>  
Date: Sun, 25 Oct 1998 23:05:38 -0500  
From: Tom Clarke <fclarke@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: arc5@ix.netcom.com

Subject: Re: BOATANCHORS digest 2273  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> I recently acquired a good BC-611-F and  
> a nice Navy AMA, which is the Navy version of the  
> BC-721, which is a modified BC-611 (follow all that? ;-).

>

> Both of these units have "2S536" stencilled just above  
> the receiver earphone. I've traced numbers like  
> "44-18201" to specific aircraft. Is this "2S536"  
> number a unit designation? Anyone know?

>

That is probably what the Navy calls a modex or side number and it is related to the aircraft Bureau Number and the station or unit ident. Each unit has a 2 digit modex or tail mark. For instance, my old squadron, VR-24 had the letters JM and this was combined with the last 3 digits of the BuNo and the callsign became "JM801 for aircraft BuNo 149801. In the case of VP-30, a training squadron in Jax, FL the mark was LL. Usually air stations had a number and letter (as in the case of your radio), such as 7A for NAS Patuxent River, MD. Now for a real reach into my memory cells, it seems to me that 2S was a training command modex from NAS Whiting Field (Pensacola) or NAS Corpus Christi, TX.

To make matters even more perverse, shipboard aircraft within an Airwing used numbers based on aircraft type. F-18s are 100 series, F-14s are 200, etc, so you can tell the type aircraft, the airwing or airstation by the callsign. All of the aircraft without regard to their actual squadron, would have the airwing tail marking, ie AB103 for an F-18 and AB231 for an F-14 assigned to the same airwing/ship.

Now isn't that simple?

73 de Tom/W40KW USN Ret.

-----  
From: Jderm740@aol.com  
Message-ID: <1d692a91.3633f634@aol.com>  
Date: Sun, 25 Oct 1998 23:10:28 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: URM25 Dial lights  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Jan

Unless the URM25F uses different bulbs than are used in the "D" the bulbs should be TS52s. TS stands for TungSol (although the grunts probably had a different interpretation). The instructions make me believe they are bayonet based.

Jack Jderm740@aol.com

-----  
Message-Id: <199810260451.UAA02353@mail-gw3.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: URM25 Dial lights  
Date: Sun, 25 Oct 1998 20:51:53 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Jack;

> Unless the URM25F uses different bulbs than are used in the "D" the bulbs  
> should be TS52s. TS stands for TungSol (although the grunts probably had  
a  
> different interpretation). The instructions make me believe they are  
bayonet  
> based.

There is no comparison between the -D and -F URM-25's; different tube line-ups and completely different mechanical designs. Only thing the same is the frequency range.

-----  
From: "Jim Reynolds" <gds@digitalexp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: tube info needed  
Date: Sun, 25 Oct 1998 23:02:47 -0600  
Message-ID: <003d01be009d\$dfd50e20\$2d2b31cc@gds>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have tube basic info on a 3B25 tube? (USN)

tnx and 73

Jim Reynolds  
PO Box 1692

Wewahitchka, FL 32465  
mailto:gds@digitalexp.com  
ICQ # 1047111

KI6UP  
Web Page:  
<http://www.digitalexp.com/~users/gds/>

-----  
Message-ID: <36341A4B.4546@infonline.net>  
Date: Mon, 26 Oct 1998 01:44:27 -0500  
From: Charles Ring <charlesr@infonline.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: Simpson 260 leads  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim Reynolds wrote:

>  
> Could Someone please advise where to get test leads for a Simpson 260?  
>

Careful - there were at least one and probably more changes in the  
meter-end lead connector in the 260 over time.

73 de W3NU

-----  
Message-ID: <36341B55.A6D8CA7C@lvcm.com>  
Date: Sun, 25 Oct 1998 22:48:53 -0800  
From: Hal Waite <halwaite@lvcm.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS: Collins Log of Amateur Radio Station  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have the above logbook absolutely new. It is dated Second Printing  
July 1967. Best offer takes it; the book will be sent by Priority  
Mail. Thanks.

73 de Hal K3AB/7 Las Vegas

-----  
Message-ID: <001801be00b9\$38f0af80\$06e666ce@asustx>  
From: "Pete Ferrand" <pete@vermontel.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Para Dynamics ?  
Date: Mon, 26 Oct 1998 03:18:31 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----  
>Gang - I have a Para Dynamics RF Scanner for which I need a schematic.  
>The model is PDC-600. The company is long gone. The unit has a bad Watt

Actually the company is very much alive and scanners are still being sold. Check with any CB shop, I stopped into one a couple weeks ago and found brand new "scanners" of this type are selling and for very high prices. I was seeking a diagram for my PDC-550. Proprietor said the company had changed hands and locations, but no diagrams were available. The currently made units look pretty much like the old ones but have completely different insides. I didn't bother to investigate further.

-Pete  
WB2QLL  
pete@vermontel.net

-----  
Message-ID: <36345DD8.3369FA6E@prtc.net>  
Date: Mon, 26 Oct 1998 07:32:40 -0400  
From: laffitte@prtc.net (laffitte)  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RCA RBC Report  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi BAers!

I have been working on my RCA RBC recently and finally found out why it had lost sensitivity. C225 in the second RF circuit was completely shorted. This is a mica Aerovox capacitor of the kind that we think lives forever. I decided to check all the caps in that module and found most of them leaking testing them with the DMM. My decision was to

replace all of them once and for all. I used AES metalized polyester 630V caps. They work quite well. The first RF module was also removed and all caps replaced too. The removal of the modules in the RBC seems difficult but it is indeed an easy procedure. The tricky part is getting the band change shaft back in. All the band switches in the modules must be well aligned for this and sometimes taking them out slightly alters the alignment. I placed a bit of WD40 on the shaft and it went smoothly up to the second RF. There I had to carefully move it a bit to each side in order to get it through. After that it was a cinch.

The recapping results were dramatic. The signals are now impressive with many of them pegging the meter to the right. I recommend to all of you who own this receiver to go ahead and do this procedure. Now all that remains is a good ol' realignment job but if that improves the performance even more, I don't know where it's going to end :>). By the way, the caps in the IF/audio section have not been as troublesome as the ones in the RF sections. All the caps replaced were micas according to the manual. I hope that this is of help.

Best 73s to all of you  
Guido KP4FAR  
BA collector in the Tropics  
San Juan, PR USA

-----  
Message-Id: <199810261229.HAA26558@pike.rovers.net>  
Date: Mon, 26 Oct 1998 07:17:17 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Michael Crestohl <mc@rovers.net>  
Subject: FS: COLLINS WINGED 312B-5  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here's an opportunity to pick up a clean early example WE 312B-5. It is in excellent condition electrically, mechanically and cosmetically. Price is \$750.00 plus shipping. I will pack competently.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC  
mc@rovers.net

-----  
Message-ID: <36348644.C8BB3206@quicktel.com>  
Date: Mon, 26 Oct 1998 06:25:08 -0800  
From: cormac@quicktel.com (Cormac Thompson)  
MIME-Version: 1.0



To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Fernadale, WA Swapmeet  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Mt. Baker Amateur Radio Club annual swapmeet at Ferndale was another success. It is still me favorite one of the year. Nice size and very nice people.

The crowd seemed to be down this year (unfavorable exchange rate for the Canadians just down the road) but the tables were all sold out. Those who did attend were buying.

Some prices observed:

Apache/Mohawk \$300 sold  
B&W 5100B \$175 sold  
SX-28 \$180 sold  
Globe Scout \$35 sold  
BC224 asking \$50 very nice  
Nice Gonset Communicator II \$65 sold

Quite a but of older tube SSB gear but not an overabundance of AM stuff this year. A nice variety however. See you there next year!

Mac, W7JHS  
cormac@quicktel.com

-----  
From: kd5byb@wt.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 26 Oct 1998 07:21:06 +600  
Subject: National FRR59A"s  
Message-id: <36347742.6ce5.0@wt.net>

Greetings everyone...

I saw several posts recently concerning the National FRR59A - I think one was a For Sale, and the other a prohibited "it's sold" message.

Ever since I've owned Moore's 3rd Edition, I've wondered what it would be like to own/operate one of these 64 tube beasts. I'm hoping the lucky person that bought them will be willing to share stories with us! Please?

Thanks and 73,  
Ben

P.S.: Yep, I am alive, just very busy with work, new girlfriend, and

as of Saturday, an 11 week old kitten. (she is sooo cute!)

---

Benjamin D. Hall, KD5BYB  
e-mail: KD5BYB@WT.NET

-----  
Message-Id: <3.0.1.32.19981026144604.008bb250@192.168.0.1>  
Date: Mon, 26 Oct 1998 14:46:04 +0100  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: Switched TUBED Power Supply  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Today, while we were talking at work about switched power supplies projects, I've raised a question nobody here knew for sure: are there TUBED switched supplies?. I'm curious about that, as it would be very nice to homebrew one to power DC gear at my shack :- ) ... Any experience about them?.

Thanks!

Best regards.

JOSE

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\* VISIT MY VINTAGE RADIO SITE - updated 25-October-1998 \*\*\*  
<http://www.geocities.com/SiliconValley/6992/>

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 26 Oct 1998 08:17:32 -0600  
Subject: de FMLA, Friends of Frank  
Message-ID: <19981026.082025.-80965.3.MNHopkins@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: mnhopkins@juno.com (Michael N Hopkins)

Who would want to be enumerated among the friends of a fellow who affects 1930s values, drives a 1940s car with period plates, and advocates above

all the virtue of home built and understood radio?

Well, you never know, which is the obiter dictum of the little fictional (?) essays that pop up on the weekends about an atavistic looney who plans to take back 56-60 mc when the FCC moves TV up. But he also has a "Friends of Frank" mailing list.

Now I cannot guarantee he does not use this as a recruiting tool for his Five Meter Liberation Army, but recent events pretty much rule out any fear he is fronting for his White Aryan Resistance bodyguards.

So if you want to be on this list, and the attorney general approves, you you can send me an e-mail before Wednesday when the roster of future Frank stories appears. There is also a spotter's guide to the characters in the works.

Of course this is not as good as my own club, 'Friends of Bill W.,' because you don't get free coffee, but it might be good for a laugh.

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age, 1957-58, and two of its jewels: Tecraft and International Crystal ham products.  
Michael N. Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@Juno.com

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-----  
From: FPorzelt@seic.com  
Date: Mon, 26 Oct 98 10:38:51 CST  
Message-ID: <vines.n+J8+uZ6BqB@SEI-OAKS1.VINES.CORP.SEIC.COM>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Foreign SW BC Radio identification?

Howdy all,

Yesterday I rescued a foreign wood cabinet SW/BC radio from the curbside trash just a few blocks from my house. I have never seen one like it and wondered if any of you might be able to help in identifying it. It seems to be from the 50's (?) and is somewhat similar to the German radios of that time. Nowhere do I see a "brand name" except on one of the plugs inserted on the rear apron which reads "Luxor Radio". Also on the back apron is a voltage selector for 100-110-125-135-150-190-220-250 volts. The back cover is missing; probably had the name and model number on there.

The tuning dial glass has the following bands:

- 19M with markings from (18.7 - 19.9) doesn't say if meters or KC or ???
- 25M with markings from (24.1 - 25.8) ditto
- 31M with markings from (29.7 - 31.1) ditto
- KV with markings 17METER ... 20 ... 25 ... up to ... 50
- MV with various names like Amer. Forces, SV RELA, Norsk RELA, Kopenhamn, VASA, FALUN, Britt Zonen, ABO, RENNES, Third Prog. SUNDSVALL, ATHLONE, HELSINGFORS and a bunch of others (Some of the letters A and O have "umlauts" like German)
- LV with names like ULEA BORG, OSTERSUND, MINSK, MOSKVA II, KIEV I, MOTAL, LULEA-REYKJAVIK, BRASOV, TROMSO and others

The controls are as follows:

2 large knobs labeled "LJUDSTYRKA" (volume?) and "KLANGFARG" (second A has umlaut, like German)

7 black push buttons, similar to the piano keys on many German radios.

These are labeled "S" "GR" "L" "LW" "MW" "KW" "31" "25" and "19"

Tuning knob on side of cabinet. Also has small knob which switches the tuning knob from fast to slow tuning ratio)

There is a tuning eye on this radio. Most of the tubes are enclose in tube shields which I haven't yet removed - but the two tubes I could see were 5Y3GT (RCA) and 7117 (Sylvania). This is very heavy and solid radio with a big flywheel as part of the tuning mechanism. The color of the wood is light, but not quite blond. The dial glass face is painted in various colors for reading the bands easily (I guess) and helps make this a beautiful radio.

The speaker is missing, but the transformer with was mounted to the speaker as well as rest of the tubes and other parts appear to be all there. (I'll have to find a suitable speaker). Haven't plugged it in so don't know if the smoke is still in there.

Seems to be of Scandinavian origin, but does anybody know? I like to know the history of and stories about particular radios. Any good places to look for schematics or other help? Thanks for reading and for any info anyone may have. Have a "safe" week!

-- Fred KB9MVU  
fporzelt@seic.com

-----  
From: w1nml@juno.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: R-274 questions  
Message-ID: <19981026.073841.5759.0.w1nml@juno.com>

Date: Mon, 26 Oct 1998 09:39:44 EST

Hi all,

I recently acquired a R-274/FRR (SX-73) that's in pretty good shape. Missing only the tuning dial lock, as far as I can tell. No power cable was with it, and although I can probably use an extension cord or something temporarily to power it up, I'd like to fabricate a "real" power cord. So, does anyone know where to find the AC connector. It's a non-polarized two prong female plug. Manual says it's a Amphenol # 61-F7.

Thanks for any help.

Lock

W1NML/7                      AMI # 639  
QCWA# 15033  
Phoenix, AZ

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or call Juno at (800) 654-JUNO [654-5866]

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From: Jderm740@aol.com  
Message-ID: <dacfff27.363489db@aol.com>  
Date: Mon, 26 Oct 1998 09:40:27 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Rivets  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

To one and all the rivet bangers out there,

In thirty-five years of building aircraft I have run across many different types of rivets.  
Steel, monel, dural, titanium, hollow-tube and explosive (they were fun) etc. All have one thing in common, the shank is 1/2 the head diameter. They should be removed by drilling, not grinding, with a drill slightly larger than the shank. ie., a 1/8th rivet hole is prepared with a #30 drill. For a 5/32" rivet the drill is #21 and for a 3/32" the drill is #40.  
Rivets come in various hardness within the type of material. There is soft

dural and there is hard dural. The soft ones can be set with simple tools. A ballpeen hammer. A piece of hardend steel (we called them bucking bars). Looking at the only Command set I have I see the front panel held on with only four rivets. The rest is a lot of screws and nuts, or threaded parts, attached to components common to the chassis and the front panel. They are going to be a bigger headache than the four rivets.

A lot of radio stuff is fastened with hollow tube rivets for ease and speed. Time was money and also there was a war to win when these put together. (The faster the better). When all the parts and covers were in place these were pretty rugged little boxes. Notice how many are still around even after all these years.

There is nothing wrong with Pop rivets. We used various forms of them in A/C construction for years. There are some very exotic forms of "pop rivets" ( we preffered to call them "blind" fasteners) on the market but getting them in the civilian market is not impossible but very expensive. \$\$\$ each.

If you must replace those four rivets with rivets, get soft dural that you can set with a pair of smooth faced vise-grips.

Be gentle.

Jack Jderm740@aol.com

-----  
Date: Mon, 26 Oct 1998 09:51:38 -0500

From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)

Message-Id: <199810261451.JAA10079@aa4rm.ba-watch.org>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Foreign SW BC Radio identification?

Luxor radio:

Luxor was an Egyptian religious city anihilated by the Assyrians about 314BC.

Parts source for Luxor radio dried up 4 days before PlinZuba the fat marched into the city. Every speck of inventory was requesitioned as anti-personell ballista ammo. (try taking a hit forehead-center with a bronze-age magic eye tube... try it)

Luxor's ruins lie submerged under 200m of water behind Asswan dam. Every now & then a ferri-loopstick floats up - that archeologists still mistake for chariot spokes.

-----  
Date: Mon, 26 Oct 1998 10:00:23 -0500

Message-Id: <199810261500.KAA02715@brill.shiva.com>

From: John Shriver <jas@shiva.com>

To: Old Tube Radios <boatanchors@theporch.com>

CC: boatanchors@theporch.com

Subject: Re: Switched TUBED Power Supply

There are many things that one can call a switched supply.

There's the CRT HV supply in Tek scopes, with a HF oscillator driving a small RF transformer. That's part of a switched supply.

There are all sorts of things done with thyratrons and ignitrons. The original lighting dimmers at Radio City Music Hall in NYC were thyatron, basically a tube equivalent of a SS thyristor dimmer. But that's just chopping a sine wave.

Computers were still being designed with linear 60 Hz supplies through the 1970's, so I don't think all the parts of the equation of what we now call a switcher supply were really there until recently. (The power supply for a Digital KL-10 CPU was installed with a forklift.)

-----  
Content-return: allowed

Date: Mon, 26 Oct 1998 10:01:45 -0500

From: "Katz, Gene S" <gene.s.katz@lmco.com>

Subject: RE: Foreign SW BC Radio identification?

To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <D977A62BE8F4D111B31E0000F8081AD0C80D28@emss04m16.ems.lmco.com>

MIME-version: 1.0

Content-type: text/plain

Sounds like a nice find indeed. Probably has nothing to do with its name, but I bought a Grundig from Luxor Radio in Napoli, IT. Could be a store name, as I have not run across a Luxor brand to date. The flywheel reminds me of a Philips I picked up; only one I've seen with it. Let me know if you discover its identity. You might check the tubes for tax stamps of the country of origin. Good luck.

Gene S. Katz

Senior Member Engineering Staff

Lockheed Martin Government Electronic Systems

Bldg 108-136, PO Box 1027

199 Borton Landing Road

Moorestown, NJ 08057-0927

(609)722-3035 ph

(609)722-2310 fax

gene.s.katz@lmco.com

-----  
Message-ID: <3634909C.C08666EB@groupone.net>

Date: Mon, 26 Oct 1998 07:09:16 -0800

From: Dan Arney <kn6di@groupone.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: R-274 questions  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I also have a SX-73 without the dial lock and so does Robert Nichols.  
For the power cord I got a Whitre 15A 115V 2 pin plug from the local  
nursery electrial dept. That has the name Spring Action and 2 logos 1.  
UL and the other in a circle SA. Cots \$2.00. I used 3 wire computer cord  
and pulled the green wire out and put a spade llug on it and hooked it  
to the lower left chassis screw. Trying to find CX cord and have a lead.  
Hope it works out.

Hank KN6DI

73

w1nml@juno.com wrote:

>  
> Hi all,  
>  
> I recently acquired a R-274/FRR (SX-73) that's in pretty good shape.  
> Missing only the tuning dial lock, as far as I can tell. No power cable  
> was with it , and although I can probably use an extension cord or  
> something temporarily to power it up, I'd like to fabricate a "real"  
> power cord. So, does anyone know where to find the AC connector.  
> It's a non-polarized two prong female plug. Manual says it's a Amphenol #  
> 61-F7.  
>  
> Thanks for any help.  
>  
> Lock  
>  
> W1NML/7                      AMI # 639  
> QCWA# 15033  
> Phoenix, AZ  
>  
>  
> -----  
> You don't need to buy Internet access to use free Internet e-mail.  
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
> or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 26 Oct 1998 10:20:35 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199810261520.KAA10138@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com



Subject: Re: Foreign SW... Luxor schematics

>schemats: ferget it 'til I learn to read hieroglyohics, huh??

Right you are fred for the following reason.

Those schemats are all over the walls in pyramid men's rooms

Archeologists have never recognized them thinking they were Pete-Marwick periodic audits.

Say that audit speculation came from an unexpected sector. Nassar's confidante MS Rosetta Stone, P-M office of the Nile.

And PlinZuba the Fat isn't newsworthy. No one ever wrote a grant proposal for a study of PlinZuba the fat and hence the 'audits' have gone untranslated.

tk

-----  
From: w4bld@juno.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 26 Oct 1998 10:44:49 -0400  
Subject: Para Dynamics ?  
Message-ID: <19981026.110236.3254.79.w4bld@juno.com>

The question has been answered and I have found a meter. Many Thanks,  
Gang, Bob  
Robert B. Kerby - W4BLD  
PO Box 991 (231 Rosser Avenue)  
Waynesboro, VA 22980  
(540) 942-4356  
(I collect Gonset, Morow and Elmac)

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
End of BOATANCHORS Digest 2275  
\*\*\*\*\*

>From ???@??? Tue Oct 27 05:11:34 1998  
Message-Id: <199810270308.VAA22775@sco.theporch.com>

Date: Mon, 26 Oct 1998 21:07:10 CST  
Subject: BOATANCHORS digest 2276

BOATANCHORS Digest 2276

Topics covered in this issue include:

- 1) Re: Foreign SW BC Radio identification?  
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 2) Re: de FMLA, Friends of Frank  
by "Catherin Dentremont" <cdent@tenet.edu>
- 3) BOOKS & STUFF FOR SALE  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 4) FS: Manuals  
by JONWEINER@aol.com
- 5) NORWAY 50's radio ?  
by BEN NOCK <G4BXD@compuserve.com>
- 6) Re: 45As ???  
by Ethan <ethan@olywa.net>
- 7) Batteries?  
by "Jay H. Miller" <jmiller@teleteam.net>
- 8) SX 73 manual FT  
by gcr2@po.CWRU.Edu (George C. Rybicki)
- 9) Re: Batteries?  
by "Mike B. Feher" <n4fs@monmouth.com>
- 10) Re: Batteries?  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 11) Re: Batteries?  
by john <johnmb@mindspring.com>
- 12) WORKING RCA TUBE MANUALS  
by David Stinson <arc5@ix.netcom.com>
- 13) Re: 45As ???  
by Ethan <ethan@olywa.net> (by way of Andre Guibert <aguibert@sympatico.ca>)
- 14) RE: Dealing with Canadians  
by Ed Sieb <esieb@gmsiworld.com>
- 15) RE: Dealing with Canadians  
by Ed Sieb <esieb@gmsiworld.com>
- 16) Re: Batteries?  
by Scott Robinson <spr@earthlink.net>
- 17) RE: Para Dynamics ?  
by Ed Sieb <esieb@gmsiworld.com>
- 18) Re: Dealing with Canadians  
by Morris Odell <morriso@vifp.monash.edu.au>
- 19) Re: Batteries?  
by John Dilks <oldradio@worldnet.att.net>
- 20) Re: A riveting question (longggg)  
by AAFRadio@erols.com
- 21) unique push-pull ckt

by Bob Roehrig <broehrig@admin.aurora.edu>

-----  
Message-Id: <199810261605.RAA17935@inet.uni2.dk>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Foreign SW BC Radio identification?  
Date: Mon, 26 Oct 1998 17:00:34 +0100  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----  
: Yesterday I rescued a foreign wood cabinet SW/BC radio from the  
: curbside trash just a few blocks from my house. I have never seen one  
like  
: it and wondered if any of you might be able to help in identifying it. It  
  
: seems to be from the 50's (?) and is somewhat similar to the German  
radios  
: of that time. Nowhere do I see a "brand name" except on one of the plugs  
: inserted on the rear apron which reads "Luxor Radio".

Luxor Radio was a Swedish radio manufacturer, which does not exist any  
more.

You probably could find some info at the home page of the Swedish  
Telemuseum.

73

Rag

Rag Otterstad OZ8RO Copenhagen suburb: Birkerød  
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all  
periods, cipher equipment.

Address: Hosterkøbevej 10. DK 3460 Birkerød, Denmark

Tel : ++45-4281 5205 evenings. ++45-4497 3366 daytime.

I work for MEC A/S, manufacturer of high quality and good looking  
pushbutton switches.

If you are designing electronics equipment and have an interest in switches  
please check the homepage at :  
[HTTP://WWW.MEC.DK](http://WWW.MEC.DK)

To know more about my ham radio background try my personal homepage :  
[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8RO/](http://WWW.WEBSPAWNER.COM/USERS/OZ8RO/)

-----  
Message-ID: <3634B0F3.6599@tenet.edu>  
Date: Mon, 26 Oct 1998 11:27:15 -0600  
From: "Catherin Dentremont" <cdent@tenet.edu>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: de FMLA, Friends of Frank  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael N Hopkins wrote:

<snip>

> So if you want to be on this list, and the attorney general approves,  
> you you can send me an e-mail before Wednesday when the roster of future  
> Frank stories appears. There is also a spotter's guide to the characters  
> in the works.

>

> Of course this is not as good as my own club, 'Friends of Bill W.,'  
> because you don't get free coffee, but it might be good for a laugh.

Gee...maybe I out to start coming to meetings in Dallas...they make us  
\_pay\_ for our coffee at the Tomball Club.

Log me for the FMLA list...but I'll be watching warily for black  
'copters.

73, '5BA

-----  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Mon, 26 Oct 1998 12:29:30 -0500 (EST)  
Subject: BOOKS & STUFF FOR SALE  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9810261229.aa11613@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Condition: P= poor, F= fair, G= good, E= excellent.

All prices plus postage.

-----  
Manuals (all originals):

1. Field and Depot Maintenance manual for Electronic Multimeter TS-505A/U, TS-505B/U, TS-505C/U & TS-505D/U. TM-11-6625-239-35, dated 8/11/61. E. \$12.
2. Operator's and Organizational Manual for Electronic Multimeter TS-505A/U, TS-505B/U, TS-505C/U & TS-505D/U. TM-11-6625-239-12, dated 12/30/60. E. \$5.
3. Modification instructions for modifying WWII MIL gear for ham use written by the editors of the "R & M Radio Company", no dates. About 40 pages of detailed instructions, fold-out schematics, layouts, charts, etc. Mods for SCR-274-N tx & rx, BC-375-E and SCR-522. Includes schematics of ART-13, APN-1, BC-788-B rx/tx & I-152-B indicator. Also schematics/diagrams/info for: 274N, adaptor FT230-A, BC-456 tx & dynamotor, BC-45/8/9, BC-375-E, BC-625-RM, BC-624-AM, BC-625, BC-348-E/M/P/J plus lots of misc. stuff for power supplies, dynamotors, interconnects & control ct's. F-G. \$25.
4. Eico model 460 o'scope ops & service manual, G-E. \$5.

-----  
Books:

5. "Technical Manual - Electrical Fundamentals", War Dept., TM 1-455, 1/27/41, 155 p., softcover, F, stamped "Signal Corps Repair Shop". \$12.
6. "How to pass Radio License Examinations", Drew, 1938, 1944, 2nd ed., Wiley & Sons, 319 p., has radio beacon maps, cover P-F, inside G. \$15.
7. "Radio Operator's License Q & A manual", Kaufman, 1949, 1950, 1951, 1953, 1955, 1957, 6th ed., w/dust cover, 721 p., G. \$10.
8. "Radio Operating Questions & Answers", Nilson & Hornung, 1921, 1929, 1930, 1932, 1933, 1936, 1940, 7th ed., McGraw-Hill, 416 p., cover F-G, inside G-E. Has lots of stuff on spark & arc xmtrs & regen rx. \$25.
9. "Electrical Drafting applied to circuits & wiring", Van Gieson, 1st ed., 1945, McGraw-Hill, 140 p. E. \$7.
10. "Primer of Electronics and Radiant Energy", Caverly, 2nd ed., 1952, McGraw-Hill, 344 p, almost E, w/dust jacket. \$5.

11. "These Amazing Electrons", Yates, 1936, McGraw-Hill, 324 p., F-G. \$10.
12. "Atoms for Peace", Woodbury, 1955, Dodd, Mead & Co., 259 p., G-E. \$4.
13. "The Universe of Light", Sir William Bragg, 1934, Macmillan Co., 282 p. plus one color plate, G-E, has "Works Progress Administration" (WPA) embossed stamp. \$18.
14. "Advanced Disc Recording", Universal Microphone Co., Recording Division, 1937, 31 p., 6.5" x 3.5" softcover brochure, F-G. Provides very detailed technical info for making professional quality electrical recordings on aluminum and acetate discs. \$6.
15. "Industrial Electricity", Nadon & Gelmine, D. Van Nostrand, 1939, 1951, 2nd ed., 710 p., very comprehensive, G. \$18.
16. "Radio and Television Annual- How make and repair radio and television sets at home, 75 sets you can build with complete instructions, pictures and diagrams.", 1950, Popular Science Publishing Co., 256 p., softcover, G. \$8.
17. Cornell-Dubilier's periodical publication "The Capacitor" (natch!), v. 26, no. 1, Jan/Feb/Mar 1961, covers tube-type computer decade counter circuits, 22 p., softcover, F-G, FREE with any order!
18. "Popular Mechanics Shop Notes- Easy ways to do hard things", Popular Mechanics Press, 1936, 206 p. plus some ads, softcover. A peek into the state of technology of the mechanical & electrical shop in 1936. Cover F, inside G. \$20.

-----  
Nostalgia:

19. Station logs from 1940 to 1969 of station W0YMU (not SK!), on station logging forms from "Radio Laboratories" (1940), 3@ ARRL Publication No. 7 (copyright 1936, 1949 & 1968), National Radio (1958) R.L. Drake (1978), 2@ Collins (1969). Includes some actual message traffic handled (e.g. from a sailor stranded by a snowstorm who couldn't get back to his base in San Diego in time), text of CW QSO's, a letter to the FCC to request portable operation in 1940 as part of pre-MARS system, a contest log; shows 1st contact after end of WWII. A trip down nostalgia lane! Condition P to E. \$15.
20. Ham license plates: 1@ "W0YMU" Nebraska "Cornhusker State" from 1972 with 1975 tag, F. 2@ "W0YMU" from NB, 1976 bicentennial plates,

E. 1@ "W0YMU" from Custer county SD, 1981, has Mt. Rushmore faces, G. 1@ plaque for front of car (used in a state which has no front license plate), top line reads "Nebraska", bottom line "W0YMU", black letters on yellow background, measures 4" x 10", F. \$15 for all.

-----

In case of duplicate requests, I will give preference to those ordering the largest number of items to save me on packing!

-John Sehring (10:21 am Mon, Oct 26, 1998 at Custer, SD USA) ucc wb2eqg

-----  
From: JONWEINER@aol.com  
Message-ID: <3b990b95.3634b45f@aol.com>  
Date: Mon, 26 Oct 1998 12:41:51 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: FS: Manuals  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Since many of us use military surplus test equipment, I have for sale the complete technical, parts and operation manual for the AN/PSM6/A/B Multimeter. Price \$15. postpaid.

Jon, K1VVC

-----  
Date: Mon, 26 Oct 1998 15:06:52 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: NORWAY 50's radio ?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199810261507\_MC2-5E11-3CD3@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

I am looking for a circuit for the following:

Menuett Radionette 5 Band 3 Valve set, 1950's.

cheers, Ben G4BXD.

-----  
Message-ID: <3634F1DC.68D7D6F6@olywa.net>  
Date: Mon, 26 Oct 1998 14:04:12 -0800  
From: Ethan <ethan@olywa.net>

MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 45As ???  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Anyone ever seen one?

Believe they are just 45s rated for a bit more output.

> Antique Electronics says CALL on 45 Special... which I think is the  
> VT62

Different tubes.  
45 Special = VT52  
VT62 = 801

> Maybe these are the vaunted single plate 2A3s that audio lulus cherish

Nope, but audio lulus cherish WE made VT52 almost as much.

Regards,  
Ethan

-----  
Message-Id: <103130300b25aa1562703@[199.34.24.6]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Mon, 26 Oct 1998 16:01:23 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Jay H. Miller" <jmiller@teleteam.net>  
Subject: Batteries?

Remember the old 1.5 volt Dry Cells we used to play with as boys? Well...  
they are \$25 bucks a pop now! I needed a pair for a Western Union clock.

Question is, anybody know off hand the current rating of the old dry cell  
vs. how many "D" cells in parallel it would take to match the capacity?

73

\*\*\*\*\*  
Jay H. Miller, KK5IM                      Dallas, Texas  
The Pocket Guide to Collins Amateur Radio Equipment  
ARRL \* AMI#846 \* DXCC  
E-Mail: jmiller@teleteam.net  
Visit My Home Page: <http://www.teleteam.com/~jmiller/>  
\*\*\*\*\* Proud to be 100% Macintosh since 1984! \*\*\*\*\*



-----  
Message-Id: <199810262202.RAA25454@christopher.INS.CWRU.Edu>  
Date: Mon, 26 Oct 1998 17:02:38 -0500 (EST)  
From: gcr2@po.CWRU.Edu (George C. Rybicki)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SX 73 manual FT

With all the SX-73 talk I thought maybe someone could use the original military sx-73 manual I have laying around. I bought it thinking it was for the SP600. Trade it for a SP600TM or what have you. 73 George

-----  
Message-ID: <003801be0147\$99f48fc0\$d31abfd1@n4fs>  
From: "Mike B. Feher" <n4fs@monmouth.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries?  
Date: Mon, 26 Oct 1998 17:17:41 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jay -

How about using those 2 Volt Gates Gell Cells. They are even rechargeable. I use one (a 25 AH one about the same size as the 1.5 volt cells you are talking about) on a large crystal controlled clock that used to use a single C cell. I have to recharge the battery every 2 or 3 years. Probably more from self discharge than drain from the clock. These can be often found at hamfest very reasonably priced. 73 - Mike

Mike B. Feher, N4FS  
89 Arnold Blvd.  
Howell, NJ, 07731  
732-901-9193

-----  
Date: Mon, 26 Oct 1998 16:25:44 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries?  
Message-ID: <Pine.ULT.3.96.981026162428.7272A-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 26 Oct 1998, Jay H. Miller wrote:

> Remember the old 1.5 volt Dry Cells we used to play with as boys? Well...  
> they are \$25 bucks a pop now! I needed a pair for a Western Union clock.  
>  
> Question is, anybody know off hand the current rating of the old dry cell  
> vs. how many "D" cells in parallel it would take to match the capacity?

The question is how long you want it to last. Even 2 D cells will run it for a while. It only needs power for a minute or so per hour. I run mine off 12V thru a 30 ohm 10W resistor.

"Nostalgia is a thing of the past"

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Message-Id: <3.0.3.32.19981026173323.00d010d0@mindspring.com>  
Date: Mon, 26 Oct 1998 17:33:23 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: Re: Batteries?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Jay, you might try a place like Tower Hobbies... those cells used to be used for glow igniters. While I'm sure there are niftier cells in use now, they may still have those things at a more reasonable price than other outlets...

Best

/John

PS: I think Tower has a huge website...

At 04:01 PM 10/26/98 -0600, Jay H. Miller wrote:

>Remember the old 1.5 volt Dry Cells we used to play with as boys? Well...  
>they are \$25 bucks a pop now!

-----  
Message-ID: <3634F954.6941@ix.netcom.com>  
Date: Mon, 26 Oct 1998 16:36:04 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WORKING RCA TUBE MANUALS

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have two extra RCA tube manuals here.  
They are NOT collector quality.  
They are for use on the bench.  
Binding is good.  
Content is intact and useable.  
Covers are not.  
Both are volume RC-21 (1961).

\$5 and a mailing label each, postage paid in the US.  
Multiples by lottery, as always.  
Preference given to non-US BA members  
who have a hard time finding things like this.  
Price then depends on postage.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Date: Mon, 26 Oct 1998 18:05:26 -0500 (EST)  
Message-Id: <199810262305.SAA18674@smtp13.bellglobal.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ethan <ethan@olywa.net> (by way of Andre Guibert <aguibert@sympatico.ca>)  
Subject: Re: 45As ???

Bosoir to All  
The 45 operate at 500v and the 45A at 365v  
Andre

-----  
Message-ID: <01BE010C.63737960@esieb.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Dealing with Canadians  
Date: Mon, 26 Oct 1998 18:13:50 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Since I travel extensively in the US, I also do a lot of mailing from =  
there. I have a "mini post office" in my brief-case:  
An envelope with a large assortment of US stamps of various =  
denominations, various US postal customs forms, and a few other items. =

When back home in Canada, I can easily assemble a real SASE with all the = correct US postage on it.

And since I travel so often in the USA, I usually get the opportunity to = actually mail a US postal MO, to the destination US address. OTOH, I = have never had a problem sending a Canadian postal MO to a US = destination. I believe that our postal MO's are already considered = "international" MO's. I also get a lot of personal cheques in US \$. My = bank happily accepts them, (as do I).

Ed, VA3ES

-----  
Message-ID: <01BE010D.5C962920@esieb.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Dealing with Canadians  
Date: Mon, 26 Oct 1998 18:20:49 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Absolutly correct!

Gene is quite right about the (in)appropriate use of "eh". In fact, those of us who hail from the larger Canadian cities, such as Montreal, (my home town) or Taranna, I mean Toronto, tend not to use the offending eh, at all!

Now... back to them good ol' BA's....

Ed, VA3ES

-----  
Message-ID: <363503A9.78E8F74C@earthlink.net>  
Date: Mon, 26 Oct 1998 15:20:09 -0800  
From: Scott Robinson <spr@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries?  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jay and the gand,

If I recall correctly, old NO. 6 dry cells were about 10 ampere-hours...and the good news is that current alkaline D cells are also about 10 AH.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

Jay H. Miller wrote:

>  
> Remember the old 1.5 volt Dry Cells we used to play with as boys? Well...  
> they are \$25 bucks a pop now! I needed a pair for a Western Union clock.  
>  
> Question is, anybody know off hand the current rating of the old dry cell  
> vs. how many "D" cells in parallel it would take to match the capacity?  
>  
> 73  
>  
> \*\*\*\*\* ##### \*\*\*\*\*  
> Jay H. Miller, KK5IM Dallas, Texas  
> The Pocket Guide to Collins Amateur Radio Equipment  
> ARRL \* AMI#846 \* DXCC  
> E-Mail: jmiller@teleteam.net  
> Visit My Home Page: <http://www.teleteam.com/~jmiller/>  
> \*\*\*\*\* Proud to be 100% Macintosh since 1984! \*\*\*\*\*

--

-----  
Message-ID: <01BE010F.905E7800@esieb.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Para Dynamics ?  
Date: Mon, 26 Oct 1998 18:36:35 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I believe ParaDynamics is now Valor/ProAm.

Ed, VA3ES

-----  
Message-ID: <3635092D.EC32147B@vifp.monash.edu.au>  
Date: Tue, 27 Oct 1998 10:43:41 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Dealing with Canadians  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed Sieb wrote:

> I have never had a problem sending a Canadian postal MO to a US destination. I believe that our postal MO's are already considered "international" MO's. I also get a lot of personal cheques in US \$. My bank happily accepts them, (as do I).

This post got me thinking (yet again) about the payment problem from places like Oz which is a long way from the USA. My preferred method of payment is a credit card as the costs are the lowest and the exchange rate is usually the most favourable. I have a separate Visa account with a small limit that I use for internet transactions and I've not been ripped off (yet).

Money orders are reasonably expensive here for small amounts. It is prohibitive for me to open a checking account with a US bank in US\$. The problem arises with small vendors such as boatanchorites who don't have credit card facilities. It strikes me that a good business could be had in the US if someone were to send cheques to people in the US in exchange for payment from overseas by credit card and a small commission. With costs and local postage it would probably be comparable to the cost of a MO and postage from here, and it would be faster and more convenient.

Maybe someone will take up the challenge.....

73 de Morris VK3DOC

>  
>  
> Ed, VA3ES

-----  
Message-ID: <3635184B.3839@worldnet.att.net>  
Date: Mon, 26 Oct 1998 19:48:11 -0500  
From: John Dilks <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries?  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jay H. Miller wrote:

> Remember the old 1.5 volt Dry Cells we used to play with as boys? Well...  
> they are \$25 bucks a pop now! I needed a pair for a Western Union clock.  
> Question is, anybody know off hand the current rating of the old dry cell  
> vs. how many "D" cells in parallel it would take to match the capacity?

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to all,

Antique electronic supply had them much cheaper (mil surplus) a year  
or two ago. Check them out.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

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From: AAFRadio@erols.com  
Message-ID: <36352409.38858EFC@erols.com>  
Date: Mon, 26 Oct 1998 20:38:17 -0500  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: A riveting question (longggg)  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

In a note dated Oct 26, Mssr. Antonio asks about the mechanics of  
swapping command transmitter front panels. Having spent a minute or  
three on a Bridgeport mill doing same, I can offer some observations in  
addition to the excellent musings proffered by Jderm740. This is only  
helpful to the hard-core restorers, so delete now if you aren't  
interested in details.

Rivet removal:

While it certainly helps to have a mill or drill press, you can actually  
do it with a variable speed 1/4" hand drill and some patience. Like  
Jack, I wouldn't recommend grinding the heads off. I know a good many  
rivets have been removed this way, but there's just too many  
opportunities to slip (ask me, I'm an expert...) and in a properly

installed rivet, removal of the head won't mean the stub falls out easily. This is particularly true with aluminum material, which expands in the setting process to fill the through-hole with considerable radial pressure. Instead, beg, borrow, or buy a #0 center drill (only a couple of bucks for an import version.) This is a short, stubby 1/8" double ended drill with a stepped down 1/32" head on each end. Anyone with a home shop ought to own a dozen of these in various sizes, anyway. Once you've used one, you'll wonder how you did without them. Brace the transmitter well, get some sort of magnifying glasses on (for safety as well), and put the tip of the center drill on the exact center of the rivet head. Starting with a dead slow speed, you'll notice the tip of the center drill doesn't wander as it starts cutting like normal drills, and you'll even be able to exert some subtle pressure sideways to adjust any slight variations from dead center you started with. Keep on drilling until the 1/8" part of the drill has drilled completely through the panel and the chassis. This is slightly smaller than the rivet shank, and I realize this runs counter to Jack's advice (which is the more normal practice) but it allows you to punch out whatever (weakened) sliver remains with a pin punch without making the hole too large to closely fit the replacement rivet. You wouldn't want to do it this way when you're replacing a thousand rivets, because it takes more care and patience. Don't forget the two flathead rivets under the frequency dial in front. When you have all eight rivets removed, the panel should tap off with a plastic mallet (assuming you've taken off the knobs and other dohickies.)

#### Rivets:

Here's the problem with rivets - you only need six of them per transmitter (plus the two flat head if you want to be a perfectionist.) However, you can generally only buy them by the thousands. According to my notes, the correct size for the six side rivets is .180 long by .140 shank diameter, with a .220" radius head (.220 head diameter at the panel x .030 high). There are a lot of different grades of aluminum rivets available, but it won't make much difference in this application. This is not an unusual size, but neither will you automatically find just the right size in junk bins...the head radius and lengths I find always seem to give homage to Murphy. Rather than buy 10,000 from a rivet manufacturer, I bought a bag of the wrong size head radius at Dayton from MECI's tent. It doesn't take long to skin half a dozen heads to the right radius on a lathe, but you can do the same with a small file and an electric drill if you do a side by side comparison with an original every minute or so of work.

#### Installation:

There are several decisions to be made here. Unless the transmitter is a bare aluminum model, the first question is whether to paint the rivet



heads with black wrinkle before - or after - installation. I've tried both, and with some care, the former saves a great deal of masking. It takes some time (days) for the wrinkle finish to cross link enough to stand the riveting pressure however, and I've occasionally had to do a little touchup. As far as the riveting operation goes, a bucking bar/punch or pliers will do a creditable job, or the hand punch that Harbor Freight sells for \$20 works fine if you'll replace the female die with a male version - I made a set specifically for riveting, but I think you can cobble one up from scrap rod. A pin punch and bucking bar works fine for the two flathead rivets in front. Another option is to thread the rivet shank for a 4-40 nut and just bolt the rivets in. However, I've made a couple of sets of these "rivet/nuts" for folks, and it's a losing proposition - I had to make a special fixture to hold the rivet without deforming the soft aluminum head, and then carefully thread the shank...not the 2 minute job one would hope for. If anyone's interested I'll send a drawing of this collet fixture to them - it's also useful in cutting down the length of rivets or making a solid rivet into a hollow type, but requires a lathe.

On the other hand, I'm more and more convinced that positive rivet retention is not essential unless you're after perfection or are going to throw the Tx into an SBD and fly it. I frankly think you could do just as well by using a good two part epoxy like Devcon, and cementing the front panel onto the chassis as well as the rivets into the side of the panel without setting them at all. You can leave out the two rivets on the front panel. It may seem sloppy, but externally it won't look any different, and the contact area between the chassis and panel is more than enough to provide an excellent bond if it's cleaned well. (I can see anyone to whom I've sent a transmitter beginning to fidget and run to check their sets... No, Stinson, I didn't do that to yours... :>))

73,  
Mike Hanz KC4TOS  
Herndon, VA  
AAFRadio@erols.com

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Date: Mon, 26 Oct 1998 20:59:01 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: unique push-pull ckt  
Message-ID: <Pine.ULT.3.96.981026204656.14976A-1000000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am currently working on a Philco console 40-180. It has a push-pull

circuit that I don't recall seeing before. There is no separate phase inverter driving it, nor does it use a center tapped transformer at the input.

Tube A grid is fed off the plate of the first audio amp in normal fashion. The screen of this tube is fed from B+ thru a 3900 ohm resistor. The grid of output tube B is cap coupled from the screen of tube A. How's that for simplicity?

By the way, this set sounded as bad as a cheap all American 5 with a 4 inch speaker. No bass at all. Can't imagine why they went to P-P output with such a lousy response.

I kludged together a simple bass-boost circuit using negative feedback (had to reverse the output trans secondary leads to do this). This ckt should work in most any set. Make a divider consisting of a .02 to .03uf cap and 10K resistor in series. Connect cap to output and ground the resistor. from the junction of the two, connect a 1.5 to 3.3 Meg resistor to the wiper of the volume control (select this value to adjust the amount of boost). If this causes oscillation, reverse the output trans leads.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

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End of BOATANCHORS Digest 2276  
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